

Somerset

Expected and Observed Case Counts, with Standardized Incidence Ratios, 1995 - 1999

	<u>Exp</u>	<u>Obs</u>	<u>SIR</u>		<u>Exp</u>	<u>Obs</u>	<u>SIR</u>
<u>Bladder, Urinary</u>				<u>Melanoma of Skin</u>			
Male	15.93	15	94	Male	9.95	5	50
Female	6.28	5	80	Female	7.48	6	80
Total	22.21	20	90	Total	17.43	11	63
<u>Brain and Other Central Nervous System</u>				<u>Multiple Myeloma</u>			
Male	4.26	6	141	Male	3.08	3	NC*
Female	3.52	5	142	Female	2.81	3	NC*
Total	7.78	11	141	Total	5.89	6	102
<u>Breast</u>				<u>Non-Hodgkin('s) Lymphoma</u>			
Male	0.74	0	NC*	Male	12.01	15	125
Female	94.54	93	98	Female	11.48	11	96
Total	95.28	93	98	Total	23.49	26	111
<u>Cervix Uteri</u>				<u>Oral Cavity and Pharynx</u>			
Female	4.75	5	105	Male	9.46	6	63
				Female	4.78	4	NC*
				Total	14.24	10	70
<u>Colon / Rectum</u>				<u>Ovary</u>			
Male	39.45	30	76	Female	10.82	11	102
Female	39.36	35	89				
Total	78.81	65	82				
<u>Esophagus</u>				<u>Pancreas</u>			
Male	5.62	9	160	Male	6.61	9	136
Female	1.93	2	NC*	Female	7.29	6	82
Total	7.55	11	146	Total	13.91	15	108
<u>Hodgkin's Disease (Hodgkin Lymphoma)</u>				<u>Prostate</u>			
Male	1.90	2	NC*	Male	99.31	116	117
Female	1.48	2	NC*				
Total	3.38	4	NC*				
<u>Kidney and Renal Pelvis</u>				<u>Stomach</u>			
Male	9.04	7	77	Male	6.61	8	121
Female	5.88	7	119	Female	4.22	5	119
Total	14.92	14	94	Total	10.83	13	120
<u>Larynx</u>				<u>Testis</u>			
Male	5.24	6	115	Male	2.64	3	NC*
Female	1.37	0	NC*				
Total	6.61	6	91				
<u>Leukemia</u>				<u>Thyroid</u>			
Male	7.02	9	128	Male	1.81	0	NC*
Female	5.61	6	107	Female	4.60	4	NC*
Total	12.63	15	119	Total	6.41	4	NC*
<u>Liver and Intrahepatic Bile Ducts</u>				<u>Uteri, Corpus and Uterus, NOS</u>			
Male	3.53	1	NC*	Female	18.68	19	102
Female	1.57	1	NC*				
Total	5.10	2	NC*				
<u>Lung and Bronchus</u>				<u>All Sites / Types</u>			
Male	50.40	52	103	Male	315.29	319	101
Female	41.45	26	63 #--	Female	302.05	272	90
Total	91.85	78	85	Total	617.34	591	96

Exp = expected case count, based on the Massachusetts average age-specific incidence rates for this cancer

Obs = observed case count

SIR = standardized incidence ratio [(**Obs** / **Exp**) X 100]

* = **SIR** and statistical significance not calculated when **Obs** < 5

+ indicates number of observed cases is statistically significantly higher than the expected number of cases

- indicates number of observed cases is statistically significantly lower than the expected number of cases

indicates statistical significance at the $p \leq 0.05$ level

~ indicates statistical significance at the $p \leq 0.01$ level, as well as at the $p \leq 0.05$ level

^ indicates statistical significance at the $p \leq 0.001$ level, as well as at the $p \leq 0.05$ and $p \leq 0.01$ levels

Somerville

Expected and Observed Case Counts, with Standardized Incidence Ratios, 1995 - 1999

	<u>Exp</u>	<u>Obs</u>	<u>SIR</u>		<u>Exp</u>	<u>Obs</u>	<u>SIR</u>
<u>Bladder, Urinary</u>				<u>Melanoma of Skin</u>			
Male	38.60	37	96	Male	28.28	13	46 ~-
Female	18.19	19	104	Female	25.70	18	70
Total	56.78	56	99	Total	53.98	31	57 ^-
<u>Brain and Other Central Nervous System</u>				<u>Multiple Myeloma</u>			
Male	13.02	9	69	Male	7.47	8	107
Female	11.79	10	85	Female	7.96	9	113
Total	24.81	19	77	Total	15.43	17	110
<u>Breast</u>				<u>Non-Hodgkin('s) Lymphoma</u>			
Male	1.82	0	NC*	Male	34.35	19	55 ~-
Female	284.54	251	88 #-	Female	35.24	26	74
Total	286.35	251	88 #-	Total	69.58	45	65 ~-
<u>Cervix Uteri</u>				<u>Oral Cavity and Pharynx</u>			
Female	18.55	19	102	Male	24.51	29	118
				Female	14.11	10	71
				Total	38.62	39	101
<u>Colon / Rectum</u>				<u>Ovary</u>			
Male	96.21	119	124 #+	Female	33.92	22	65 #-
Female	114.85	145	126 ~+				
Total	211.06	264	125 ^+				
<u>Esophagus</u>				<u>Pancreas</u>			
Male	13.56	18	133	Male	16.14	15	93
Female	5.56	4	NC*	Female	20.92	17	81
Total	19.12	22	115	Total	37.07	32	86
<u>Hodgkin's Disease (Hodgkin Lymphoma)</u>				<u>Prostate</u>			
Male	8.17	8	98	Male	229.58	196	85 #-
Female	6.83	6	88				
Total	15.00	14	93				
<u>Kidney and Renal Pelvis</u>				<u>Stomach</u>			
Male	23.14	22	95	Male	16.44	19	116
Female	17.12	16	93	Female	12.67	21	166 #+
Total	40.26	38	94	Total	29.10	40	137
<u>Larynx</u>				<u>Testis</u>			
Male	12.72	14	110	Male	14.62	21	144
Female	3.75	8	214				
Total	16.47	22	134				
<u>Leukemia</u>				<u>Thyroid</u>			
Male	19.34	16	83	Male	6.49	5	77

Female	17.49	23	132
Total	36.83	39	106
<u>Liver and Intrahepatic Bile Ducts</u>			
Male	8.92	7	78
Female	4.54	3	NC*
Total	13.46	10	74
<u>Lung and Bronchus</u>			
Male	120.11	152	127 ~+
Female	116.04	122	105
Total	236.16	274	116 #+

Female	19.66	14	71
Total	26.15	19	73
<u>Uteri, Corpus and Uterus, NOS</u>			
Female	52.81	42	80
<u>All Sites / Types</u>			
Male	789.98	790	100
Female	909.57	874	96
Total	1699.55	1664	98

Exp = expected case count, based on the Massachusetts average age-specific incidence rates for this cancer

Obs = observed case count

SIR = standardized incidence ratio [(**Obs** / **Exp**) X 100]

* = **SIR** and statistical significance not calculated when **Obs** < 5

+ indicates number of observed cases is statistically significantly higher than the expected number of cases

- indicates number of observed cases is statistically significantly lower than the expected number of cases

indicates statistical significance at the $p \leq 0.05$ level

~ indicates statistical significance at the $p \leq 0.01$ level, as well as at the $p \leq 0.05$ level

^ indicates statistical significance at the $p \leq 0.001$ level, as well as at the $p \leq 0.05$ and $p \leq 0.01$ levels

South Hadley

Expected and Observed Case Counts, with Standardized Incidence Ratios, 1995 - 1999

	<u>Exp</u>	<u>Obs</u>	<u>SIR</u>
<u>Bladder, Urinary</u>			
Male	12.16	15	123
Female	5.11	9	176
Total	17.27	24	139
<u>Brain and Other Central Nervous System</u>			
Male	3.36	4	NC*
Female	3.20	1	NC*
Total	6.56	5	76
<u>Breast</u>			
Male	0.56	0	NC*
Female	78.26	76	97
Total	78.82	76	96
<u>Cervix Uteri</u>			
Female	4.51	7	155
<u>Colon / Rectum</u>			
Male	30.10	26	86
Female	32.18	27	84
Total	62.28	53	85
<u>Esophagus</u>			
Male	4.25	9	212
Female	1.56	1	NC*
Total	5.82	10	172
<u>Hodgkin's Disease (Hodgkin Lymphoma)</u>			
Male	1.60	1	NC*
Female	1.60	2	NC*

	<u>Exp</u>	<u>Obs</u>	<u>SIR</u>
<u>Melanoma of Skin</u>			
Male	7.72	13	168
Female	6.65	8	120
Total	14.37	21	146
<u>Multiple Myeloma</u>			
Male	2.34	3	NC*
Female	2.26	0	NC*
Total	4.61	3	NC*
<u>Non-Hodgkin('s) Lymphoma</u>			
Male	9.36	11	117
Female	9.67	11	114
Total	19.03	22	116
<u>Oral Cavity and Pharynx</u>			
Male	7.21	11	153
Female	3.93	4	NC*
Total	11.14	15	135
<u>Ovary</u>			
Female	9.18	11	120
<u>Pancreas</u>			
Male	5.03	11	219 #+
Female	5.90	7	119
Total	10.93	18	165
<u>Prostate</u>			
Male	74.77	51	68 ~-

Total	3.20	3	NC*
<u>Kidney and Renal Pelvis</u>			
Male	6.92	8	116
Female	4.82	3	NC*
Total	11.73	11	94
<u>Larynx</u>			
Male	3.96	6	151
Female	1.08	0	NC*
Total	5.04	6	119
<u>Leukemia</u>			
Male	5.48	3	NC*
Female	4.90	3	NC*
Total	10.38	6	58
<u>Liver and Intrahepatic Bile Ducts</u>			
Male	2.69	1	NC*
Female	1.28	1	NC*
Total	3.97	2	NC*
<u>Lung and Bronchus</u>			
Male	38.23	31	81
Female	33.21	37	111
Total	71.43	68	95

<u>Stomach</u>			
Male	5.05	3	NC*
Female	3.49	5	143
Total	8.54	8	94
<u>Testis</u>			
Male	2.35	4	NC*
<u>Thyroid</u>			
Male	1.45	3	NC*
Female	4.63	3	NC*
Total	6.08	6	99
<u>Uteri, Corpus and Uterus, NOS</u>			
Female	15.00	11	73
<u>All Sites / Types</u>			
Male	240.69	230	96
Female	251.04	244	97
Total	491.74	474	96

Exp = expected case count, based on the Massachusetts average age-specific incidence rates for this cancer

Obs = observed case count

SIR = standardized incidence ratio [(**Obs** / **Exp**) X 100]

* = **SIR** and statistical significance not calculated when **Obs** < 5

+ indicates number of observed cases is statistically significantly higher than the expected number of cases

- indicates number of observed cases is statistically significantly lower than the expected number of cases

indicates statistical significance at the $p \leq 0.05$ level

~ indicates statistical significance at the $p \leq 0.01$ level, as well as at the $p \leq 0.05$ level

^ indicates statistical significance at the $p \leq 0.001$ level, as well as at the $p \leq 0.05$ and $p \leq 0.01$ levels

Southampton

Expected and Observed Case Counts, with Standardized Incidence Ratios, 1995 - 1999

	<u>Exp</u>	<u>Obs</u>	<u>SIR</u>
<u>Bladder, Urinary</u>			
Male	3.27	3	NC*
Female	1.17	0	NC*
Total	4.45	3	NC*
<u>Brain and Other Central Nervous System</u>			
Male	1.05	2	NC*
Female	0.82	0	NC*
Total	1.87	2	NC*
<u>Breast</u>			
Male	0.16	0	NC*
Female	21.06	12	57 #-
Total	21.22	12	57 #-
<u>Cervix Uteri</u>			
Female	1.18	0	NC*

	<u>Exp</u>	<u>Obs</u>	<u>SIR</u>
<u>Melanoma of Skin</u>			
Male	2.31	3	NC*
Female	1.71	2	NC*
Total	4.03	5	124
<u>Multiple Myeloma</u>			
Male	0.67	0	NC*
Female	0.56	0	NC*
Total	1.23	0	NC*
<u>Non-Hodgkin('s) Lymphoma</u>			
Male	2.74	1	NC*
Female	2.35	2	NC*
Total	5.10	3	NC*
<u>Oral Cavity and Pharynx</u>			
Male	2.25	0	NC*
Female	1.01	1	NC*
Total	3.26	1	NC*

Colon / Rectum

Male	8.20	8	98
Female	7.33	7	96
Total	15.53	15	97

Esophagus

Male	1.26	1	NC*
Female	0.36	0	NC*
Total	1.61	1	NC*

Hodgkin's Disease (Hodgkin Lymphoma)

Male	0.50	1	NC*
Female	0.38	0	NC*
Total	0.88	1	NC*

Kidney and Renal Pelvis

Male	2.08	0	NC*
Female	1.23	2	NC*
Total	3.31	2	NC*

Larynx

Male	1.20	0	NC*
Female	0.30	1	NC*
Total	1.50	1	NC*

Leukemia

Male	1.59	0	NC*
Female	1.20	0	NC*
Total	2.79	0	NC*

Liver and Intrahepatic Bile Ducts

Male	0.80	0	NC*
Female	0.30	0	NC*
Total	1.11	0	NC*

Lung and Bronchus

Male	10.75	6	56
Female	8.53	7	82
Total	19.28	13	67

Ovary

Female	2.45	3	NC*
--------	------	---	-----

Pancreas

Male	1.42	0	NC*
Female	1.37	0	NC*
Total	2.78	0	NC*

Prostate

Male	21.37	16	75
------	-------	----	----

Stomach

Male	1.40	1	NC*
Female	0.78	1	NC*
Total	2.18	2	NC*

Testis

Male	0.72	2	NC*
------	------	---	-----

Thyroid

Male	0.47	0	NC*
Female	1.19	2	NC*
Total	1.66	2	NC*

Uteri, Corpus and Uterus, NOS

Female	4.14	3	NC*
--------	------	---	-----

All Sites / Types

Male	68.71	52	76 #-
Female	63.79	48	75 #-
Total	132.50	100	75 ~-

Exp = expected case count, based on the Massachusetts average age-specific incidence rates for this cancer

Obs = observed case count

SIR = standardized incidence ratio [(**Obs** / **Exp**) X 100]

* = **SIR** and statistical significance not calculated when **Obs** < 5

+ indicates number of observed cases is statistically significantly higher than the expected number of cases

- indicates number of observed cases is statistically significantly lower than the expected number of cases

indicates statistical significance at the $p \leq 0.05$ level

~ indicates statistical significance at the $p \leq 0.01$ level, as well as at the $p \leq 0.05$ level

^ indicates statistical significance at the $p \leq 0.001$ level, as well as at the $p \leq 0.05$ and $p \leq 0.01$ levels

Southborough

Expected and Observed Case Counts, with Standardized Incidence Ratios, 1995 - 1999

	<u>Exp</u>	<u>Obs</u>	<u>SIR</u>		<u>Exp</u>	<u>Obs</u>	<u>SIR</u>
<u>Bladder, Urinary</u>				<u>Melanoma of Skin</u>			
Male	4.17	2	NC*	Male	3.16	4	NC*
Female	1.49	0	NC*	Female	2.39	2	NC*
Total	5.66	2	NC*	Total	5.55	6	108
<u>Brain and Other Central Nervous System</u>				<u>Multiple Myeloma</u>			

Male	1.48	4	NC*
Female	1.12	0	NC*
Total	2.60	4	NC*
Breast			
Male	0.21	0	NC*
Female	28.90	33	114
Total	29.11	33	113
Cervix Uteri			
Female	1.69	0	NC*
Colon / Rectum			
Male	10.53	3	NC*
Female	9.31	8	86
Total	19.83	11	55 #-
Esophagus			
Male	1.68	1	NC*
Female	0.45	1	NC*
Total	2.13	2	NC*
Hodgkin's Disease (Hodgkin Lymphoma)			
Male	0.75	4	NC*
Female	0.54	0	NC*
Total	1.30	4	NC*
Kidney and Renal Pelvis			
Male	2.79	4	NC*
Female	1.64	4	NC*
Total	4.42	8	181
Larynx			
Male	1.62	0	NC*
Female	0.40	0	NC*
Total	2.02	0	NC*
Leukemia			
Male	2.15	1	NC*
Female	1.62	1	NC*
Total	3.77	2	NC*
Liver and Intrahepatic Bile Ducts			
Male	1.08	2	NC*
Female	0.39	1	NC*
Total	1.47	3	NC*
Lung and Bronchus			
Male	13.96	7	50
Female	11.03	10	91
Total	24.99	17	68

Male	0.87	0	NC*
Female	0.73	0	NC*
Total	1.60	0	NC*
Non-Hodgkin's Lymphoma			
Male	3.73	2	NC*
Female	3.09	6	194
Total	6.82	8	117
Oral Cavity and Pharynx			
Male	3.08	1	NC*
Female	1.36	0	NC*
Total	4.44	1	NC*
Ovary			
Female	3.37	1	NC*
Pancreas			
Male	1.85	4	NC*
Female	1.73	0	NC*
Total	3.58	4	NC*
Prostate			
Male	27.98	21	75
Stomach			
Male	1.82	2	NC*
Female	1.00	2	NC*
Total	2.82	4	NC*
Testis			
Male	1.13	2	NC*
Thyroid			
Male	0.68	0	NC*
Female	1.73	2	NC*
Total	2.41	2	NC*
Uteri, Corpus and Uterus, NOS			
Female	5.64	6	106
All Sites / Types			
Male	90.69	77	85
Female	85.34	84	98
Total	176.02	161	91

Exp = expected case count, based on the Massachusetts average age-specific incidence rates for this cancer

Obs = observed case count

SIR = standardized incidence ratio [(**Obs** / **Exp**) X 100]

* = **SIR** and statistical significance not calculated when **Obs** < 5

+ indicates number of observed cases is statistically significantly higher than the expected number of cases

- indicates number of observed cases is statistically significantly lower than the expected number of cases

indicates statistical significance at the $p \leq 0.05$ level

~ indicates statistical significance at the $p \leq 0.01$ level, as well as at the $p \leq 0.05$ level

^ indicates statistical significance at the $p \leq 0.001$ level, as well as at the $p \leq 0.05$ and $p \leq 0.01$ levels

Southbridge

Expected and Observed Case Counts, with Standardized Incidence Ratios, 1995 - 1999

	<u>Exp</u>	<u>Obs</u>	<u>SIR</u>		<u>Exp</u>	<u>Obs</u>	<u>SIR</u>
<u>Bladder, Urinary</u>				<u>Melanoma of Skin</u>			
Male	11.63	18	155	Male	7.26	5	69
Female	5.45	4	NC*	Female	6.22	2	NC*
Total	17.09	22	129	Total	13.48	7	52
<u>Brain and Other Central Nervous System</u>				<u>Multiple Myeloma</u>			
Male	3.19	7	219	Male	2.17	3	NC*
Female	2.94	4	NC*	Female	2.29	0	NC*
Total	6.13	11	179	Total	4.46	3	NC*
<u>Breast</u>				<u>Non-Hodgkin('s) Lymphoma</u>			
Male	0.52	1	NC*	Male	8.98	7	78
Female	73.69	79	107	Female	9.60	10	104
Total	74.21	80	108	Total	18.58	17	91
<u>Cervix Uteri</u>				<u>Oral Cavity and Pharynx</u>			
Female	3.96	5	126	Male	6.50	3	NC*
				Female	3.85	6	156
				Total	10.36	9	87
<u>Colon / Rectum</u>				<u>Ovary</u>			
Male	28.42	31	109	Female	8.55	11	129
Female	34.43	29	84				
Total	62.85	60	95				
<u>Esophagus</u>				<u>Pancreas</u>			
Male	3.83	1	NC*	Male	4.70	6	128
Female	1.68	1	NC*	Female	6.22	7	112
Total	5.50	2	NC*	Total	10.92	13	119
<u>Hodgkin's Disease (Hodgkin Lymphoma)</u>				<u>Prostate</u>			
Male	1.66	2	NC*	Male	65.41	71	109
Female	1.41	2	NC*				
Total	3.07	4	NC*				
<u>Kidney and Renal Pelvis</u>				<u>Stomach</u>			
Male	6.30	9	143	Male	4.86	3	NC*
Female	4.68	1	NC*	Female	3.80	2	NC*
Total	10.98	10	91	Total	8.67	5	58
<u>Larynx</u>				<u>Testis</u>			
Male	3.47	10	288 ~+	Male	2.56	4	NC*
Female	1.00	1	NC*				
Total	4.48	11	246 #+				
<u>Leukemia</u>				<u>Thyroid</u>			
Male	5.34	4	NC*	Male	1.39	1	NC*
Female	4.93	5	101	Female	3.98	1	NC*
Total	10.28	9	88	Total	5.37	2	NC*
<u>Liver and Intrahepatic Bile Ducts</u>				<u>Uteri, Corpus and Uterus, NOS</u>			
Male	2.43	2	NC*	Female	14.01	9	64
Female	1.33	1	NC*				
Total	3.76	3	NC*				
<u>Lung and Bronchus</u>				<u>All Sites / Types</u>			
Male	34.39	38	111	Male	220.69	248	112
Female	32.03	14	44 ^-	Female	245.55	216	88

Total	66.42	52	78	Total	466.23	464	100
-------	-------	----	----	-------	--------	-----	-----

Exp = expected case count, based on the Massachusetts average age-specific incidence rates for this cancer

Obs = observed case count

SIR = standardized incidence ratio [(**Obs** / **Exp**) X 100]

* = **SIR** and statistical significance not calculated when **Obs** < 5

+ indicates number of observed cases is statistically significantly higher than the expected number of cases

- indicates number of observed cases is statistically significantly lower than the expected number of cases

indicates statistical significance at the $p \leq 0.05$ level

~ indicates statistical significance at the $p \leq 0.01$ level, as well as at the $p \leq 0.05$ level

^ indicates statistical significance at the $p \leq 0.001$ level, as well as at the $p \leq 0.05$ and $p \leq 0.01$ levels

Southwick

Expected and Observed Case Counts, with Standardized Incidence Ratios, 1995 - 1999

	<u>Exp</u>	<u>Obs</u>	<u>SIR</u>		<u>Exp</u>	<u>Obs</u>	<u>SIR</u>
<u>Bladder, Urinary</u>				<u>Melanoma of Skin</u>			
Male	4.60	5	109	Male	3.50	3	NC*
Female	1.59	3	NC*	Female	2.58	5	194
Total	6.19	8	129	Total	6.08	8	132
<u>Brain and Other Central Nervous System</u>				<u>Multiple Myeloma</u>			
Male	1.64	1	NC*	Male	0.95	1	NC*
Female	1.23	1	NC*	Female	0.77	2	NC*
Total	2.87	2	NC*	Total	1.72	3	NC*
<u>Breast</u>				<u>Non-Hodgkin('s) Lymphoma</u>			
Male	0.23	0	NC*	Male	4.15	1	NC*
Female	30.51	29	95	Female	3.32	6	181
Total	30.74	29	94	Total	7.47	7	94
<u>Cervix Uteri</u>				<u>Oral Cavity and Pharynx</u>			
Female	1.86	2	NC*	Male	3.36	1	NC*
				Female	1.44	0	NC*
				Total	4.80	1	NC*
<u>Colon / Rectum</u>				<u>Ovary</u>			
Male	11.59	10	86	Female	3.59	3	NC*
Female	9.91	8	81				
Total	21.50	18	84				
<u>Esophagus</u>				<u>Pancreas</u>			
Male	1.82	1	NC*	Male	2.03	1	NC*
Female	0.48	1	NC*	Female	1.85	4	NC*
Total	2.30	2	NC*	Total	3.88	5	129
<u>Hodgkin's Disease (Hodgkin Lymphoma)</u>				<u>Prostate</u>			
Male	0.86	1	NC*	Male	30.15	19	63 #-
Female	0.63	0	NC*				
Total	1.49	1	NC*				
<u>Kidney and Renal Pelvis</u>				<u>Stomach</u>			
Male	3.05	3	NC*	Male	2.02	1	NC*
Female	1.74	1	NC*	Female	1.07	2	NC*
Total	4.79	4	NC*	Total	3.09	3	NC*
<u>Larynx</u>				<u>Testis</u>			
Male	1.75	1	NC*	Male	1.34	3	NC*
Female	0.42	0	NC*				
Total	2.17	1	NC*				

<u>Leukemia</u>				<u>Thyroid</u>			
Male	2.39	1	NC*	Male	0.77	0	NC*
Female	1.74	0	NC*	Female	1.93	3	NC*
Total	4.14	1	NC*	Total	2.70	3	NC*
<u>Liver and Intrahepatic Bile Ducts</u>				<u>Uteri, Corpus and Uterus, NOS</u>			
Male	1.18	1	NC*	Female	5.90	5	85
Female	0.42	1	NC*				
Total	1.60	2	NC*				
<u>Lung and Bronchus</u>				<u>All Sites / Types</u>			
Male	15.15	19	125	Male	99.19	82	83
Female	11.71	10	85	Female	90.79	93	102
Total	26.87	29	108	Total	189.98	175	92

Exp = expected case count, based on the Massachusetts average age-specific incidence rates for this cancer

Obs = observed case count

SIR = standardized incidence ratio [(**Obs** / **Exp**) X 100]

* = **SIR** and statistical significance not calculated when **Obs** < 5

+ indicates number of observed cases is statistically significantly higher than the expected number of cases

- indicates number of observed cases is statistically significantly lower than the expected number of cases

indicates statistical significance at the $p \leq 0.05$ level

~ indicates statistical significance at the $p \leq 0.01$ level, as well as at the $p \leq 0.05$ level

^ indicates statistical significance at the $p \leq 0.001$ level, as well as at the $p \leq 0.05$ and $p \leq 0.01$ levels

Spencer

Expected and Observed Case Counts, with Standardized Incidence Ratios, 1995 - 1999

	<u>Exp</u>	<u>Obs</u>	<u>SIR</u>		<u>Exp</u>	<u>Obs</u>	<u>SIR</u>
<u>Bladder, Urinary</u>				<u>Melanoma of Skin</u>			
Male	7.01	8	114	Male	4.89	1	NC*
Female	2.55	3	NC*	Female	3.72	2	NC*
Total	9.56	11	115	Total	8.61	3	NC*
<u>Brain and Other Central Nervous System</u>				<u>Multiple Myeloma</u>			
Male	2.24	1	NC*	Male	1.40	0	NC*
Female	1.78	1	NC*	Female	1.18	1	NC*
Total	4.02	2	NC*	Total	2.57	1	NC*
<u>Breast</u>				<u>Non-Hodgkin('s) Lymphoma</u>			
Male	0.34	0	NC*	Male	5.88	7	119
Female	43.53	35	80	Female	5.08	11	217 #+
Total	43.87	35	80	Total	10.96	18	164
<u>Cervix Uteri</u>				<u>Oral Cavity and Pharynx</u>			
Female	2.62	6	229	Male	4.63	3	NC*
				Female	2.12	2	NC*
				Total	6.75	5	74
<u>Colon / Rectum</u>				<u>Ovary</u>			
Male	17.52	13	74	Female	5.13	10	195
Female	16.03	16	100				
Total	33.55	29	86				
<u>Esophagus</u>				<u>Pancreas</u>			
Male	2.61	5	191	Male	3.00	5	167
Female	0.78	0	NC*	Female	2.95	1	NC*
Total	3.39	5	147	Total	5.95	6	101
<u>Hodgkin's Disease (Hodgkin Lymphoma)</u>				<u>Prostate</u>			

Male	1.14	3	NC*
Female	0.92	3	NC*
Total	2.06	6	292 #+

Kidney and Renal Pelvis

Male	4.31	8	186
Female	2.58	3	NC*
Total	6.89	11	160

Larynx

Male	2.48	0	NC*
Female	0.60	0	NC*
Total	3.07	0	NC*

Leukemia

Male	3.42	2	NC*
Female	2.60	3	NC*
Total	6.02	5	83

Liver and Intrahepatic Bile Ducts

Male	1.67	0	NC*
Female	0.65	2	NC*
Total	2.33	2	NC*

Lung and Bronchus

Male	22.64	22	97
Female	17.57	28	159 #+
Total	40.21	50	124

Stomach

Male	2.99	0	NC*
Female	1.73	3	NC*
Total	4.72	3	NC*

Testis

Male	1.74	1	NC*
------	------	---	-----

Thyroid

Male	1.01	1	NC*
Female	2.72	5	184
Total	3.73	6	161

Uteri, Corpus and Uterus, NOS

Female	8.35	7	84
--------	------	---	----

All Sites / Types

Male	145.41	121	83 #-
Female	134.74	149	111
Total	280.14	270	96

Exp = expected case count, based on the Massachusetts average age-specific incidence rates for this cancer

Obs = observed case count

SIR = standardized incidence ratio [(**Obs** / **Exp**) X 100]

* = **SIR** and statistical significance not calculated when **Obs** < 5

+ indicates number of observed cases is statistically significantly higher than the expected number of cases

- indicates number of observed cases is statistically significantly lower than the expected number of cases

indicates statistical significance at the $p \leq 0.05$ level

~ indicates statistical significance at the $p \leq 0.01$ level, as well as at the $p \leq 0.05$ level

^ indicates statistical significance at the $p \leq 0.001$ level, as well as at the $p \leq 0.05$ and $p \leq 0.01$ levels

Springfield

Expected and Observed Case Counts, with Standardized Incidence Ratios, 1995 - 1999

	<u>Exp</u>	<u>Obs</u>	<u>SIR</u>
<u>Bladder, Urinary</u>			
Male	83.06	76	91
Female	37.01	33	89
Total	120.07	109	91

Brain and Other Central Nervous System

Male	25.19	22	87
Female	23.45	18	77
Total	48.64	40	82

Breast

Male	3.81	6	158
Female	559.18	503	90 #-
Total	562.99	509	90 #-

Cervix Uteri

	<u>Exp</u>	<u>Obs</u>	<u>SIR</u>
<u>Melanoma of Skin</u>			
Male	54.35	27	50 ^-
Female	48.18	34	71 #-
Total	102.53	61	59 ^-

Multiple Myeloma

Male	15.83	18	114
Female	16.22	11	68
Total	32.05	29	90

Non-Hodgkin('s) Lymphoma

Male	67.02	78	116
Female	69.84	57	82
Total	136.86	135	99

Oral Cavity and Pharynx

Male	49.02	63	129
------	-------	----	-----

Female	32.77	27	82	Female	28.24	23	81
				Total	77.26	86	111
<u>Colon / Rectum</u>				<u>Ovary</u>			
Male	205.10	205	100	Female	65.89	55	83
Female	233.13	221	95				
Total	438.23	426	97				
<u>Esophagus</u>				<u>Pancreas</u>			
Male	28.41	36	127	Male	34.12	39	114
Female	11.33	17	150	Female	42.64	35	82
Total	39.74	53	133	Total	76.76	74	96
<u>Hodgkin's Disease (Hodgkin Lymphoma)</u>				<u>Prostate</u>			
Male	13.43	12	89	Male	492.39	471	96
Female	12.00	6	50				
Total	25.43	18	71				
<u>Kidney and Renal Pelvis</u>				<u>Stomach</u>			
Male	47.24	46	97	Male	34.72	36	104
Female	34.56	32	93	Female	25.46	26	102
Total	81.80	78	95	Total	60.17	62	103
<u>Larynx</u>				<u>Testis</u>			
Male	26.30	31	118	Male	20.94	8	38 ~-
Female	7.64	6	79				
Total	33.94	37	109				
<u>Leukemia</u>				<u>Thyroid</u>			
Male	40.28	24	60 ~-	Male	10.92	5	46
Female	36.14	15	42 ^-	Female	33.94	22	65 #-
Total	76.42	39	51 ^-	Total	44.87	27	60 ~-
<u>Liver and Intrahepatic Bile Ducts</u>				<u>Uteri, Corpus and Uterus, NOS</u>			
Male	18.29	29	159 #+	Female	106.43	106	100
Female	9.29	10	108				
Total	27.58	39	141 #+				
<u>Lung and Bronchus</u>				<u>All Sites / Types</u>			
Male	255.49	287	112	Male	1640.74	1642	100
Female	236.06	200	85 #-	Female	1805.06	1589	88 ^-
Total	491.55	487	99	Total	3445.79	3231	94 ^-

Exp = expected case count, based on the Massachusetts average age-specific incidence rates for this cancer

Obs = observed case count

SIR = standardized incidence ratio [(**Obs** / **Exp**) X 100]

* = **SIR** and statistical significance not calculated when **Obs** < 5

+ indicates number of observed cases is statistically significantly higher than the expected number of cases

- indicates number of observed cases is statistically significantly lower than the expected number of cases

indicates statistical significance at the $p \leq 0.05$ level

~ indicates statistical significance at the $p \leq 0.01$ level, as well as at the $p \leq 0.05$ level

^ indicates statistical significance at the $p \leq 0.001$ level, as well as at the $p \leq 0.05$ and $p \leq 0.01$ levels

Sterling

Expected and Observed Case Counts, with Standardized Incidence Ratios, 1995 - 1999

	<u>Exp</u>	<u>Obs</u>	<u>SIR</u>		<u>Exp</u>	<u>Obs</u>	<u>SIR</u>
<u>Bladder, Urinary</u>				<u>Melanoma of Skin</u>			
Male	4.06	3	NC*	Male	3.09	1	NC*
Female	1.35	2	NC*	Female	2.19	2	NC*

Total	5.41	5	92
<u>Brain and Other Central Nervous System</u>			
Male	1.44	1	NC*
Female	1.03	1	NC*
Total	2.46	2	NC*
<u>Breast</u>			
Male	0.21	0	NC*
Female	26.35	28	106
Total	26.56	28	105
<u>Cervix Uteri</u>			
Female	1.56	1	NC*
<u>Colon / Rectum</u>			
Male	10.24	9	88
Female	8.41	8	95
Total	18.66	17	91
<u>Esophagus</u>			
Male	1.64	2	NC*
Female	0.41	0	NC*
Total	2.05	2	NC*
<u>Hodgkin's Disease (Hodgkin Lymphoma)</u>			
Male	0.71	0	NC*
Female	0.51	2	NC*
Total	1.22	2	NC*
<u>Kidney and Renal Pelvis</u>			
Male	2.75	4	NC*
Female	1.48	1	NC*
Total	4.23	5	118
<u>Larynx</u>			
Male	1.59	0	NC*
Female	0.36	0	NC*
Total	1.95	0	NC*
<u>Leukemia</u>			
Male	2.10	3	NC*
Female	1.49	1	NC*
Total	3.58	4	NC*
<u>Liver and Intrahepatic Bile Ducts</u>			
Male	1.06	2	NC*
Female	0.35	0	NC*
Total	1.41	2	NC*
<u>Lung and Bronchus</u>			
Male	13.61	8	59
Female	9.94	14	141
Total	23.54	22	93

Total	5.28	3	NC*
<u>Multiple Myeloma</u>			
Male	0.86	2	NC*
Female	0.66	1	NC*
Total	1.51	3	NC*
<u>Non-Hodgkin('s) Lymphoma</u>			
Male	3.63	6	165
Female	2.80	2	NC*
Total	6.43	8	124
<u>Oral Cavity and Pharynx</u>			
Male	3.03	3	NC*
Female	1.24	0	NC*
Total	4.27	3	NC*
<u>Ovary</u>			
Female	3.07	2	NC*
<u>Pancreas</u>			
Male	1.80	1	NC*
Female	1.56	1	NC*
Total	3.37	2	NC*
<u>Prostate</u>			
Male	27.16	23	85
<u>Stomach</u>			
Male	1.78	0	NC*
Female	0.91	1	NC*
Total	2.68	1	NC*
<u>Testis</u>			
Male	1.06	4	NC*
<u>Thyroid</u>			
Male	0.66	0	NC*
Female	1.60	2	NC*
Total	2.26	2	NC*
<u>Uteri, Corpus and Uterus, NOS</u>			
Female	5.12	5	98
<u>All Sites / Types</u>			
Male	88.27	78	88
Female	77.61	79	102
Total	165.88	157	95

Exp = expected case count, based on the Massachusetts average age-specific incidence rates for this cancer

Obs = observed case count

SIR = standardized incidence ratio [(**Obs** / **Exp**) X 100]

* = **SIR** and statistical significance not calculated when **Obs** < 5

+ indicates number of observed cases is statistically significantly higher than the expected number of cases

- indicates number of observed cases is statistically significantly lower than the expected number of cases

indicates statistical significance at the $p \leq 0.05$ level

~ indicates statistical significance at the $p \leq 0.01$ level, as well as at the $p \leq 0.05$ level

^ indicates statistical significance at the $p \leq 0.001$ level, as well as at the $p \leq 0.05$ and $p \leq 0.01$ levels

Stockbridge

Expected and Observed Case Counts, with Standardized Incidence Ratios, 1995 - 1999

	<u>Exp</u>	<u>Obs</u>	<u>SIR</u>		<u>Exp</u>	<u>Obs</u>	<u>SIR</u>
<u>Bladder, Urinary</u>				<u>Melanoma of Skin</u>			
Male	2.05	2	NC*	Male	1.25	1	NC*
Female	0.81	1	NC*	Female	0.99	0	NC*
Total	2.86	3	NC*	Total	2.24	1	NC*
<u>Brain and Other Central Nervous System</u>				<u>Multiple Myeloma</u>			
Male	0.52	0	NC*	Male	0.39	0	NC*
Female	0.45	0	NC*	Female	0.36	0	NC*
Total	0.97	0	NC*	Total	0.75	0	NC*
<u>Breast</u>				<u>Non-Hodgkin('s) Lymphoma</u>			
Male	0.09	2	NC*	Male	1.51	2	NC*
Female	12.43	9	72	Female	1.47	0	NC*
Total	12.53	11	88	Total	2.98	2	NC*
<u>Cervix Uteri</u>				<u>Oral Cavity and Pharynx</u>			
Female	0.64	0	NC*	Male	1.17	1	NC*
				Female	0.62	0	NC*
				Total	1.80	1	NC*
<u>Colon / Rectum</u>				<u>Ovary</u>			
Male	5.03	5	99	Female	1.42	2	NC*
Female	5.06	3	NC*				
Total	10.09	8	79				
<u>Esophagus</u>				<u>Pancreas</u>			
Male	0.70	1	NC*	Male	0.83	0	NC*
Female	0.25	1	NC*	Female	0.93	0	NC*
Total	0.95	2	NC*	Total	1.76	0	NC*
<u>Hodgkin's Disease (Hodgkin Lymphoma)</u>				<u>Prostate</u>			
Male	0.23	0	NC*	Male	12.23	6	49
Female	0.19	0	NC*				
Total	0.42	0	NC*				
<u>Kidney and Renal Pelvis</u>				<u>Stomach</u>			
Male	1.14	1	NC*	Male	0.84	0	NC*
Female	0.75	0	NC*	Female	0.55	1	NC*
Total	1.90	1	NC*	Total	1.39	1	NC*
<u>Larynx</u>				<u>Testis</u>			
Male	0.65	2	NC*	Male	0.31	0	NC*
Female	0.18	0	NC*				
Total	0.82	2	NC*				
<u>Leukemia</u>				<u>Thyroid</u>			
Male	0.89	0	NC*	Male	0.22	0	NC*
Female	0.73	0	NC*	Female	0.62	0	NC*
Total	1.62	0	NC*	Total	0.84	0	NC*
<u>Liver and Intrahepatic Bile Ducts</u>				<u>Uteri, Corpus and Uterus, NOS</u>			
Male	0.44	0	NC*	Female	2.44	1	NC*
Female	0.20	0	NC*				
Total	0.64	0	NC*				
<u>Lung and Bronchus</u>				<u>All Sites / Types</u>			

Male	6.34	3	NC*	Male	39.48	29	73
Female	5.24	3	NC*	Female	39.20	21	54 ~-
Total	11.57	6	52	Total	78.68	50	64 ^-

Exp = expected case count, based on the Massachusetts average age-specific incidence rates for this cancer

Obs = observed case count

SIR = standardized incidence ratio [(**Obs** / **Exp**) X 100]

* = **SIR** and statistical significance not calculated when **Obs** < 5

+ indicates number of observed cases is statistically significantly higher than the expected number of cases

- indicates number of observed cases is statistically significantly lower than the expected number of cases

indicates statistical significance at the $p \leq 0.05$ level

~ indicates statistical significance at the $p \leq 0.01$ level, as well as at the $p \leq 0.05$ level

^ indicates statistical significance at the $p \leq 0.001$ level, as well as at the $p \leq 0.05$ and $p \leq 0.01$ levels

Stoneham

Expected and Observed Case Counts, with Standardized Incidence Ratios, 1995 - 1999

	<u>Exp</u>	<u>Obs</u>	<u>SIR</u>		<u>Exp</u>	<u>Obs</u>	<u>SIR</u>
<u>Bladder, Urinary</u>				<u>Melanoma of Skin</u>			
Male	15.85	10	63	Male	10.17	8	79
Female	6.88	5	73	Female	8.21	7	85
Total	22.73	15	66	Total	18.38	15	82
<u>Brain and Other Central Nervous System</u>				<u>Multiple Myeloma</u>			
Male	4.41	0	NC*	Male	3.04	2	NC*
Female	3.82	8	210	Female	2.97	2	NC*
Total	8.23	8	97	Total	6.02	4	NC*
<u>Breast</u>				<u>Non-Hodgkin('s) Lymphoma</u>			
Male	0.73	0	NC*	Male	12.35	9	73
Female	99.45	142	143 ^+	Female	12.39	11	89
Total	100.18	142	142 ^+	Total	24.74	20	81
<u>Cervix Uteri</u>				<u>Oral Cavity and Pharynx</u>			
Female	5.31	7	132	Male	9.43	9	95
				Female	5.08	4	NC*
				Total	14.51	13	90
<u>Colon / Rectum</u>				<u>Ovary</u>			
Male	39.18	48	122	Female	11.48	14	122
Female	43.21	52	120				
Total	82.39	100	121				
<u>Esophagus</u>				<u>Pancreas</u>			
Male	5.52	6	109	Male	6.56	10	152
Female	2.11	1	NC*	Female	7.91	9	114
Total	7.63	7	92	Total	14.47	19	131
<u>Hodgkin's Disease (Hodgkin Lymphoma)</u>				<u>Prostate</u>			
Male	2.18	7	321 #+	Male	95.99	101	105
Female	1.77	0	NC*				
Total	3.96	7	177				
<u>Kidney and Renal Pelvis</u>				<u>Stomach</u>			
Male	8.99	14	156	Male	6.63	9	136
Female	6.19	6	97	Female	4.73	4	NC*
Total	15.18	20	132	Total	11.36	13	114
<u>Larynx</u>				<u>Testis</u>			
Male	5.12	5	98	Male	3.30	4	NC*

Female	1.38	2	NC*
Total	6.50	7	108

Leukemia

Male	7.17	10	139
Female	6.21	3	NC*
Total	13.37	13	97

Liver and Intrahepatic Bile Ducts

Male	3.49	1	NC*
Female	1.70	6	354 #+
Total	5.19	7	135

Lung and Bronchus

Male	49.25	60	122
Female	42.78	43	101
Total	92.04	103	112

Thyroid

Male	1.95	3	NC*
Female	5.28	8	151
Total	7.24	11	152

Uteri, Corpus and Uterus, NOS

Female	19.18	20	104
--------	-------	----	-----

All Sites / Types

Male	312.45	336	108
Female	322.56	367	114 #+
Total	635.01	703	111 ~+

Exp = expected case count, based on the Massachusetts average age-specific incidence rates for this cancer

Obs = observed case count

SIR = standardized incidence ratio [(**Obs** / **Exp**) X 100]

* = **SIR** and statistical significance not calculated when **Obs** < 5

+ indicates number of observed cases is statistically significantly higher than the expected number of cases

- indicates number of observed cases is statistically significantly lower than the expected number of cases

indicates statistical significance at the $p \leq 0.05$ level

~ indicates statistical significance at the $p \leq 0.01$ level, as well as at the $p \leq 0.05$ level

^ indicates statistical significance at the $p \leq 0.001$ level, as well as at the $p \leq 0.05$ and $p \leq 0.01$ levels

Stoughton

Expected and Observed Case Counts, with Standardized Incidence Ratios, 1995 - 1999

	<u>Exp</u>	<u>Obs</u>	<u>SIR</u>
<u>Bladder, Urinary</u>			
Male	18.00	19	106
Female	7.06	7	99
Total	25.05	26	104

<u>Brain and Other Central Nervous System</u>			
Male	5.61	5	89
Female	4.62	4	NC*
Total	10.24	9	88

<u>Breast</u>			
Male	0.86	0	NC*
Female	118.13	137	116
Total	118.99	137	115

<u>Cervix Uteri</u>			
Female	6.78	3	NC*

<u>Colon / Rectum</u>			
Male	44.94	53	118
Female	44.14	43	97
Total	89.08	96	108

<u>Esophagus</u>			
Male	6.63	3	NC*
Female	2.15	2	NC*

	<u>Exp</u>	<u>Obs</u>	<u>SIR</u>
<u>Melanoma of Skin</u>			
Male	12.46	5	40 #-
Female	9.84	14	142
Total	22.30	19	85

<u>Multiple Myeloma</u>			
Male	3.57	2	NC*
Female	3.24	4	NC*
Total	6.81	6	88

<u>Non-Hodgkin('s) Lymphoma</u>			
Male	14.94	20	134
Female	13.74	16	116
Total	28.68	36	126

<u>Oral Cavity and Pharynx</u>			
Male	11.71	11	94
Female	5.78	7	121
Total	17.49	18	103

<u>Ovary</u>			
Female	13.77	12	87

<u>Pancreas</u>			
Male	7.65	6	78
Female	8.19	9	110

Total	8.78	5	57
Hodgkin's Disease (Hodgkin Lymphoma)			
Male	2.87	7	244
Female	2.26	1	NC*
Total	5.14	8	156

Kidney and Renal Pelvis			
Male	10.96	10	91
Female	7.04	13	185
Total	18.00	23	128

Larynx			
Male	6.28	1	NC*
Female	1.65	2	NC*
Total	7.93	3	NC*

Leukemia			
Male	8.63	11	127
Female	6.92	2	NC*
Total	15.54	13	84

Liver and Intrahepatic Bile Ducts			
Male	4.25	3	NC*
Female	1.80	1	NC*
Total	6.05	4	NC*

Lung and Bronchus			
Male	57.92	50	86
Female	48.46	66	136 #+
Total	106.38	116	109

Total	15.84	15	95
-------	-------	----	----

Prostate			
Male	113.98	101	89

Stomach			
Male	7.63	5	66
Female	4.77	7	147
Total	12.40	12	97

Testis			
Male	4.45	5	112

Thyroid			
Male	2.55	4	NC*
Female	6.90	2	NC*
Total	9.46	6	63

Uteri, Corpus and Uterus, NOS			
Female	22.90	17	74

All Sites / Types			
Male	370.73	354	95
Female	366.06	400	109
Total	736.79	754	102

Exp = expected case count, based on the Massachusetts average age-specific incidence rates for this cancer

Obs = observed case count

SIR = standardized incidence ratio [(**Obs** / **Exp**) X 100]

* = **SIR** and statistical significance not calculated when **Obs** < 5

+ indicates number of observed cases is statistically significantly higher than the expected number of cases

- indicates number of observed cases is statistically significantly lower than the expected number of cases

indicates statistical significance at the $p \leq 0.05$ level

~ indicates statistical significance at the $p \leq 0.01$ level, as well as at the $p \leq 0.05$ level

^ indicates statistical significance at the $p \leq 0.001$ level, as well as at the $p \leq 0.05$ and $p \leq 0.01$ levels

Stow

Expected and Observed Case Counts, with Standardized Incidence Ratios, 1995 - 1999

	<u>Exp</u>	<u>Obs</u>	<u>SIR</u>
Bladder, Urinary			
Male	2.86	1	NC*
Female	1.00	0	NC*
Total	3.86	1	NC*

Brain and Other Central Nervous System			
Male	1.10	2	NC*
Female	0.79	2	NC*
Total	1.89	4	NC*

Breast			
Male	0.15	0	NC*
Female	20.55	24	117
Total	20.70	24	116

	<u>Exp</u>	<u>Obs</u>	<u>SIR</u>
Melanoma of Skin			
Male	2.31	3	NC*
Female	1.71	4	NC*
Total	4.02	7	174

Multiple Myeloma			
Male	0.62	0	NC*
Female	0.50	0	NC*
Total	1.12	0	NC*

Non-Hodgkin('s) Lymphoma			
Male	2.69	3	NC*
Female	2.10	0	NC*
Total	4.79	3	NC*

Cervix Uteri

Female	1.22	0	NC*
--------	------	---	-----

Colon / Rectum

Male	7.26	8	110
Female	6.24	5	80
Total	13.50	13	96

Esophagus

Male	1.23	0	NC*
Female	0.30	0	NC*
Total	1.53	0	NC*

Hodgkin's Disease (Hodgkin Lymphoma)

Male	0.54	0	NC*
Female	0.39	1	NC*
Total	0.93	1	NC*

Kidney and Renal Pelvis

Male	2.06	1	NC*
Female	1.12	2	NC*
Total	3.18	3	NC*

Larynx

Male	1.20	0	NC*
Female	0.27	0	NC*
Total	1.48	0	NC*

Leukemia

Male	1.55	2	NC*
Female	1.14	0	NC*
Total	2.69	2	NC*

Liver and Intrahepatic Bile Ducts

Male	0.79	0	NC*
Female	0.26	0	NC*
Total	1.05	0	NC*

Lung and Bronchus

Male	9.79	5	51
Female	7.40	7	95
Total	17.19	12	70

Oral Cavity and Pharynx

Male	2.33	0	NC*
Female	0.95	2	NC*
Total	3.28	2	NC*

Ovary

Female	2.39	0	NC*
--------	------	---	-----

Pancreas

Male	1.31	0	NC*
Female	1.14	2	NC*
Total	2.46	2	NC*

Prostate

Male	19.82	18	91
------	-------	----	----

Stomach

Male	1.28	0	NC*
Female	0.67	1	NC*
Total	1.96	1	NC*

Testis

Male	0.78	0	NC*
------	------	---	-----

Thyroid

Male	0.51	0	NC*
Female	1.26	2	NC*
Total	1.76	2	NC*

Uteri, Corpus and Uterus, NOS

Female	3.99	0	NC*
--------	------	---	-----

All Sites / Types

Male	64.37	44	68 ~-
Female	59.35	52	88
Total	123.71	96	78 #-

Exp = expected case count, based on the Massachusetts average age-specific incidence rates for this cancer

Obs = observed case count

SIR = standardized incidence ratio [(**Obs** / **Exp**) X 100]

* = **SIR** and statistical significance not calculated when **Obs** < 5

+ indicates number of observed cases is statistically significantly higher than the expected number of cases

- indicates number of observed cases is statistically significantly lower than the expected number of cases

indicates statistical significance at the $p \leq 0.05$ level

~ indicates statistical significance at the $p \leq 0.01$ level, as well as at the $p \leq 0.05$ level

^ indicates statistical significance at the $p \leq 0.001$ level, as well as at the $p \leq 0.05$ and $p \leq 0.01$ levels

Sturbridge

Expected and Observed Case Counts, with Standardized Incidence Ratios, 1995 - 1999

<u>Bladder, Urinary</u>	<u>Exp</u>	<u>Obs</u>	<u>SIR</u>	<u>Melanoma of Skin</u>	<u>Exp</u>	<u>Obs</u>	<u>SIR</u>
-------------------------	------------	------------	------------	-------------------------	------------	------------	------------

Male	5.31	5	94
Female	1.86	1	NC*
Total	7.17	6	84
<u>Brain and Other Central Nervous System</u>			
Male	1.64	0	NC*
Female	1.27	0	NC*
Total	2.91	0	NC*
<u>Breast</u>			
Male	0.26	0	NC*
Female	32.25	29	90
Total	32.51	29	89
<u>Cervix Uteri</u>			
Female	1.83	2	NC*
<u>Colon / Rectum</u>			
Male	13.24	10	76
Female	11.67	23	197 ~+
Total	24.91	33	132
<u>Esophagus</u>			
Male	1.98	0	NC*
Female	0.57	0	NC*
Total	2.55	0	NC*
<u>Hodgkin's Disease (Hodgkin Lymphoma)</u>			
Male	0.78	0	NC*
Female	0.61	0	NC*
Total	1.39	0	NC*
<u>Kidney and Renal Pelvis</u>			
Male	3.27	3	NC*
Female	1.91	2	NC*
Total	5.18	5	97
<u>Larynx</u>			
Male	1.88	1	NC*
Female	0.45	0	NC*
Total	2.34	1	NC*
<u>Leukemia</u>			
Male	2.54	5	197
Female	1.87	2	NC*
Total	4.42	7	158
<u>Liver and Intrahepatic Bile Ducts</u>			
Male	1.26	1	NC*
Female	0.48	2	NC*
Total	1.74	3	NC*
<u>Lung and Bronchus</u>			
Male	17.16	18	105
Female	13.17	7	53
Total	30.33	25	82

Male	3.64	2	NC*
Female	2.66	4	NC*
Total	6.31	6	95
<u>Multiple Myeloma</u>			
Male	1.07	1	NC*
Female	0.87	0	NC*
Total	1.94	1	NC*
<u>Non-Hodgkin('s) Lymphoma</u>			
Male	4.35	11	253 #+
Female	3.69	4	NC*
Total	8.04	15	187 #+
<u>Oral Cavity and Pharynx</u>			
Male	3.50	2	NC*
Female	1.56	1	NC*
Total	5.07	3	NC*
<u>Ovary</u>			
Female	3.76	6	160
<u>Pancreas</u>			
Male	2.27	1	NC*
Female	2.17	1	NC*
Total	4.43	2	NC*
<u>Prostate</u>			
Male	33.85	29	86
<u>Stomach</u>			
Male	2.25	5	222
Female	1.25	1	NC*
Total	3.50	6	171
<u>Testis</u>			
Male	1.13	1	NC*
<u>Thyroid</u>			
Male	0.72	0	NC*
Female	1.86	2	NC*
Total	2.59	2	NC*
<u>Uteri, Corpus and Uterus, NOS</u>			
Female	6.30	7	111
<u>All Sites / Types</u>			
Male	109.35	103	94
Female	98.98	99	100
Total	208.32	202	97

Exp = expected case count, based on the Massachusetts average age-specific incidence rates for this cancer

Obs = observed case count

SIR = standardized incidence ratio [(**Obs** / **Exp**) X 100]

* = **SIR** and statistical significance not calculated when **Obs** < 5

+ indicates number of observed cases is statistically significantly higher than the expected number of cases

- indicates number of observed cases is statistically significantly lower than the expected number of cases

indicates statistical significance at the $p \leq 0.05$ level

~ indicates statistical significance at the $p \leq 0.01$ level, as well as at the $p \leq 0.05$ level

^ indicates statistical significance at the $p \leq 0.001$ level, as well as at the $p \leq 0.05$ and $p \leq 0.01$ levels

Sudbury

Expected and Observed Case Counts, with Standardized Incidence Ratios, 1995 - 1999

	<u>Exp</u>	<u>Obs</u>	<u>SIR</u>		<u>Exp</u>	<u>Obs</u>	<u>SIR</u>
<u>Bladder, Urinary</u>				<u>Melanoma of Skin</u>			
Male	9.40	9	96	Male	7.01	10	143
Female	2.97	3	NC*	Female	4.99	9	181
Total	12.38	12	97	Total	12.00	19	158
<u>Brain and Other Central Nervous System</u>				<u>Multiple Myeloma</u>			
Male	3.24	1	NC*	Male	1.98	3	NC*
Female	2.34	3	NC*	Female	1.50	1	NC*
Total	5.58	4	NC*	Total	3.48	4	NC*
<u>Breast</u>				<u>Non-Hodgkin('s) Lymphoma</u>			
Male	0.48	0	NC*	Male	8.20	6	73
Female	61.87	72	116	Female	6.29	3	NC*
Total	62.36	72	115	Total	14.49	9	62
<u>Cervix Uteri</u>				<u>Oral Cavity and Pharynx</u>			
Female	3.52	2	NC*	Male	7.10	0	NC*
				Female	2.87	2	NC*
				Total	9.96	2	NC*
<u>Colon / Rectum</u>				<u>Ovary</u>			
Male	23.91	15	63	Female	7.16	4	NC*
Female	18.33	11	60				
Total	42.24	26	62 # -				
<u>Esophagus</u>				<u>Pancreas</u>			
Male	3.91	1	NC*	Male	4.25	6	141
Female	0.89	3	NC*	Female	3.47	6	173
Total	4.80	4	NC*	Total	7.72	12	155
<u>Hodgkin's Disease (Hodgkin Lymphoma)</u>				<u>Prostate</u>			
Male	1.50	0	NC*	Male	66.50	58	87
Female	1.08	2	NC*				
Total	2.58	2	NC*				
<u>Kidney and Renal Pelvis</u>				<u>Stomach</u>			
Male	6.36	4	NC*	Male	4.11	4	NC*
Female	3.44	2	NC*	Female	1.96	1	NC*
Total	9.80	6	61	Total	6.07	5	82
<u>Larynx</u>				<u>Testis</u>			
Male	3.80	2	NC*	Male	2.08	1	NC*
Female	0.87	0	NC*				
Total	4.66	2	NC*				
<u>Leukemia</u>				<u>Thyroid</u>			
Male	4.71	5	106	Male	1.46	2	NC*
Female	3.35	0	NC*	Female	3.57	5	140
Total	8.06	5	62	Total	5.02	7	139
<u>Liver and Intrahepatic Bile Ducts</u>				<u>Uteri, Corpus and Uterus, NOS</u>			
Male	2.49	2	NC*	Female	12.22	7	57
Female	0.79	0	NC*				

Total	3.28	2	NC*	<u>All Sites / Types</u>			
<u>Lung and Bronchus</u>				Male	208.00	161	77 ^-
Male	32.44	18	55 ~-	Female	178.11	167	94
Female	23.14	22	95	Total	386.12	328	85 ~-
Total	55.58	40	72 #-				

Exp = expected case count, based on the Massachusetts average age-specific incidence rates for this cancer

Obs = observed case count

SIR = standardized incidence ratio [(**Obs** / **Exp**) X 100]

* = **SIR** and statistical significance not calculated when **Obs** < 5

+ indicates number of observed cases is statistically significantly higher than the expected number of cases

- indicates number of observed cases is statistically significantly lower than the expected number of cases

indicates statistical significance at the $p \leq 0.05$ level

~ indicates statistical significance at the $p \leq 0.01$ level, as well as at the $p \leq 0.05$ level

^ indicates statistical significance at the $p \leq 0.001$ level, as well as at the $p \leq 0.05$ and $p \leq 0.01$ levels